



## DoD Global Influenza and Other Respiratory Viral Pathogens Week 11 (13 Mar – 19 Mar) Weekly Surveillance Report



### Number of new isolates for Week 11: 6 Influenza A, 5 Influenza B

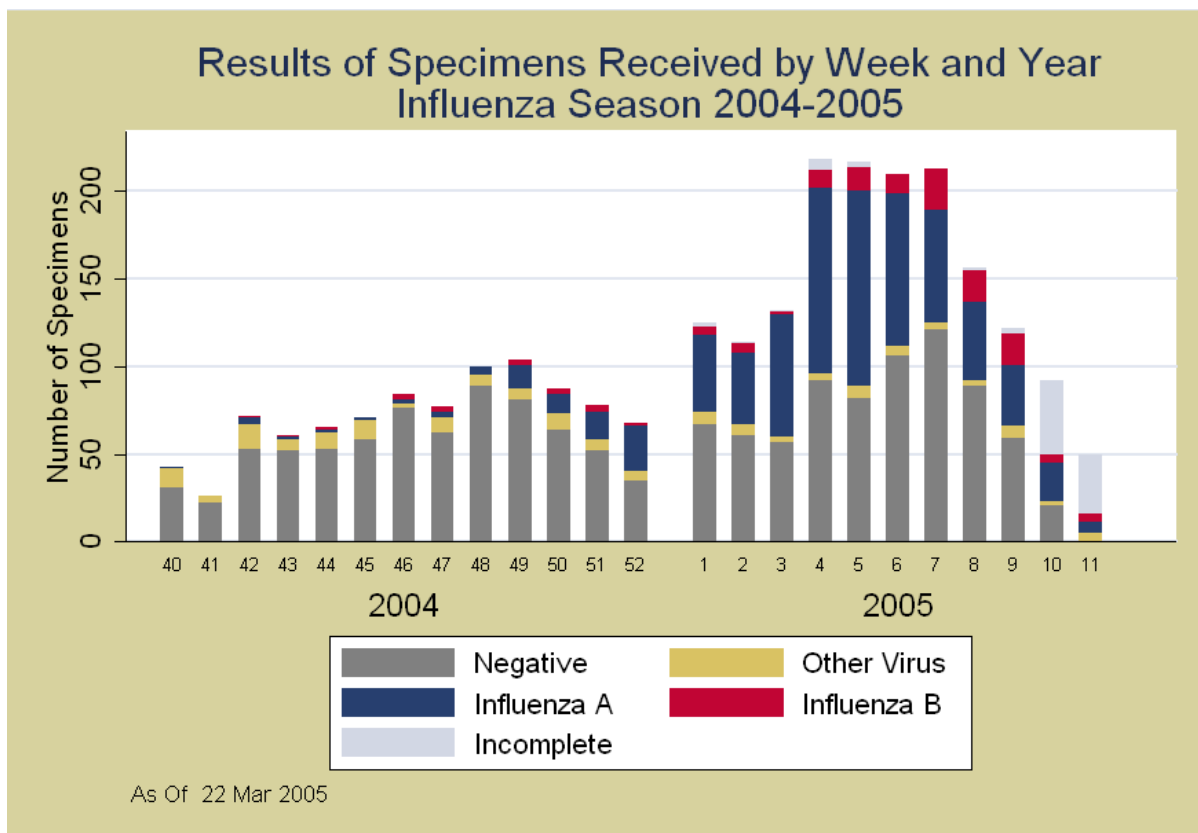
In addition, 8 influenza A and 6 influenza B isolates were newly identified during Week 11, but were collected prior to that week. The listing by individual bases is in a [table](#) at the back of the report.

To make the report shorter and easier to read “at a glance”, the CDC regional graphs have been linked to our website. [Click here](#) to get the CDC regional map and links to the graphs.

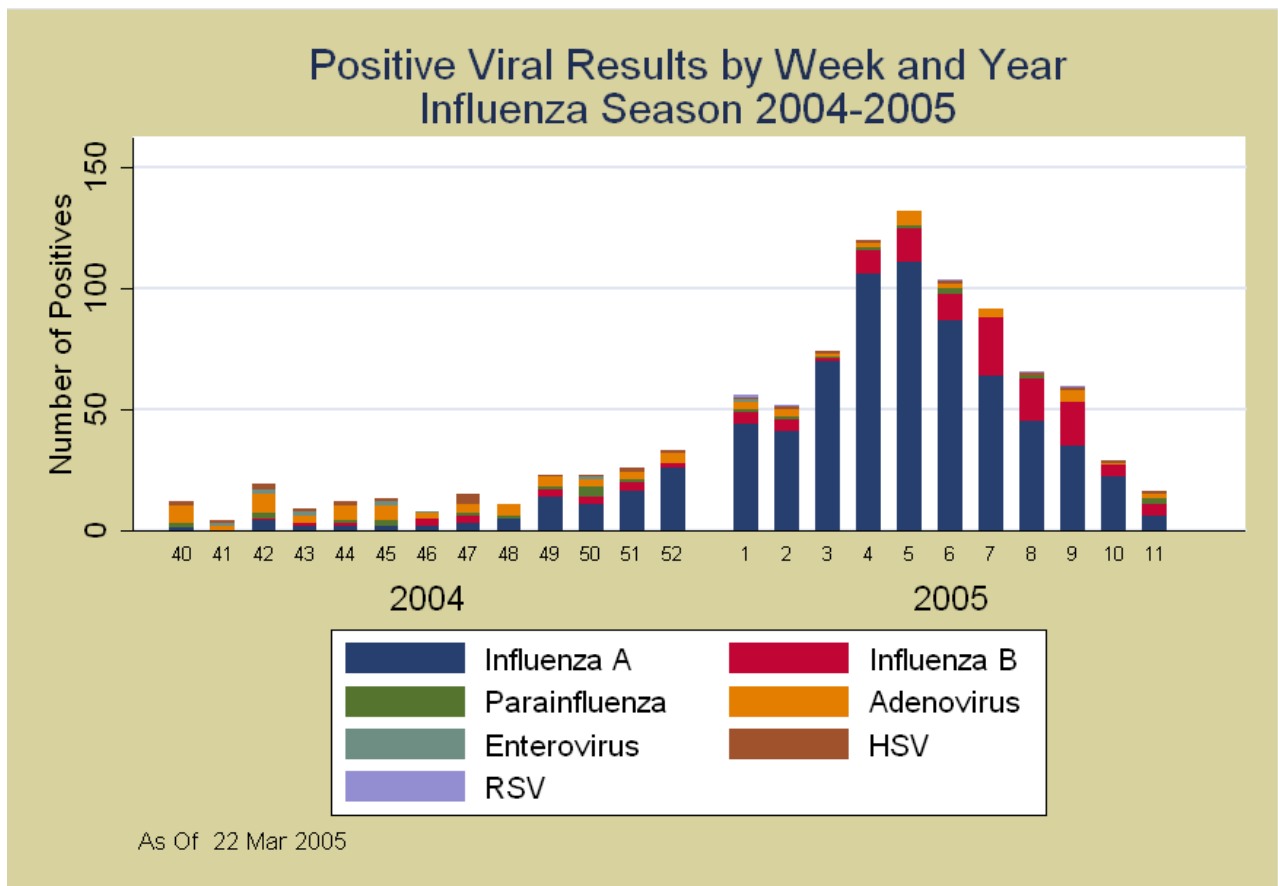
**COMMENTS ON CURRENT TRENDS:** Influenza activity continues to decrease steadily among sentinel sites, and the CDC is reporting a continued decrease in activity as well. Health agencies in most Western European countries and Japan report similar decreasing trends. There continues to be a relatively larger proportion of influenza B isolates later in the season, both from CONUS and overseas sites.

### SUMMARY:

Since **3 October 2004**, the Epidemiological Surveillance Division (AFIOH/SDE) has processed 2502 specimens as part of the influenza surveillance program. Of those specimens, 719 (29%) were positive for influenza A, and 137 (5%) were positive for influenza B. In addition, 93 specimens are still being processed.



## OVERALL DOD RESPIRATORY VIRAL SURVEILLANCE:

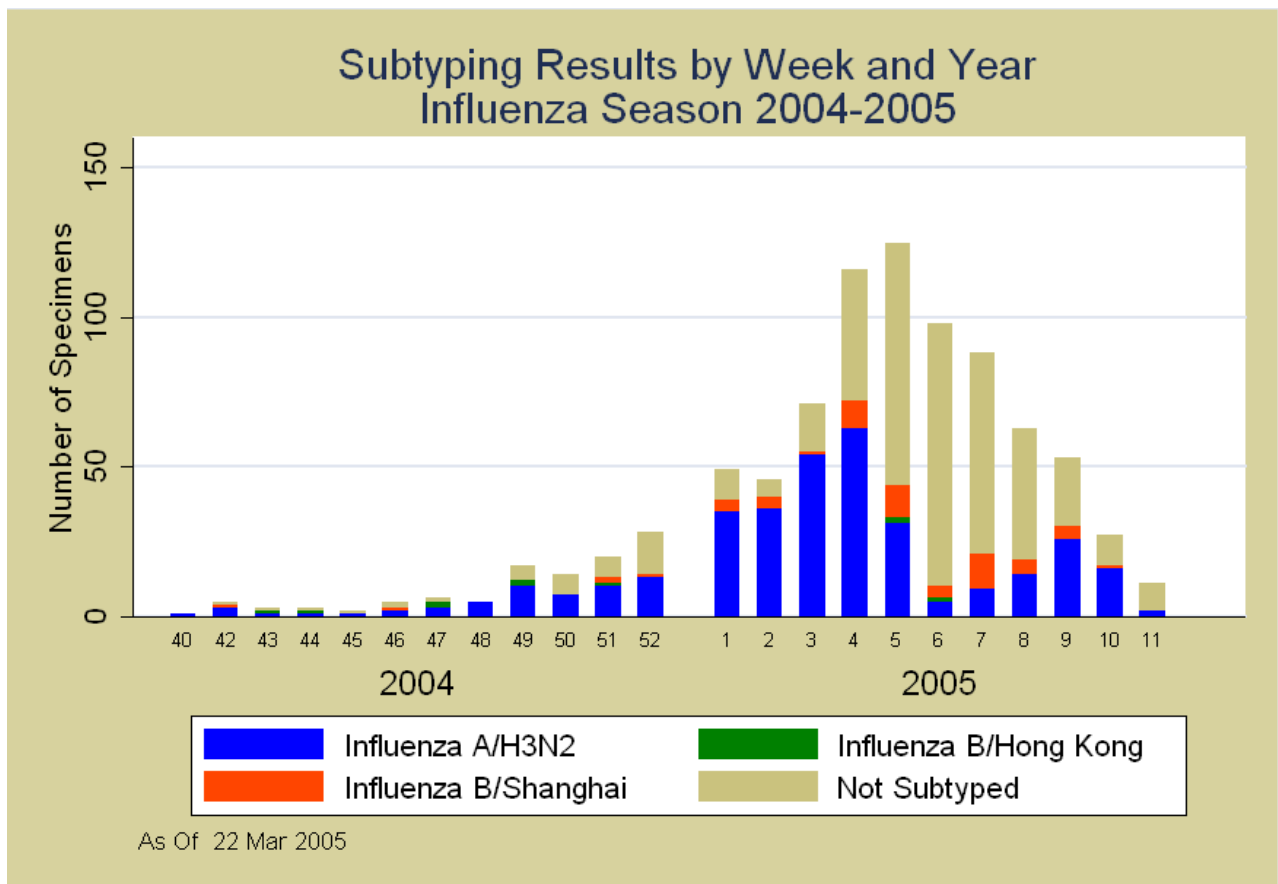


**Note:** Graphs do not include data from the NHRC, which conducts Febrile Respiratory Illness (FRI) surveillance among recruit populations. NHRC compiles this data into a separate report. For more information, visit the NHRC website at <http://www.nhrc.navy.mil/geis/>

## SUBTYPING:

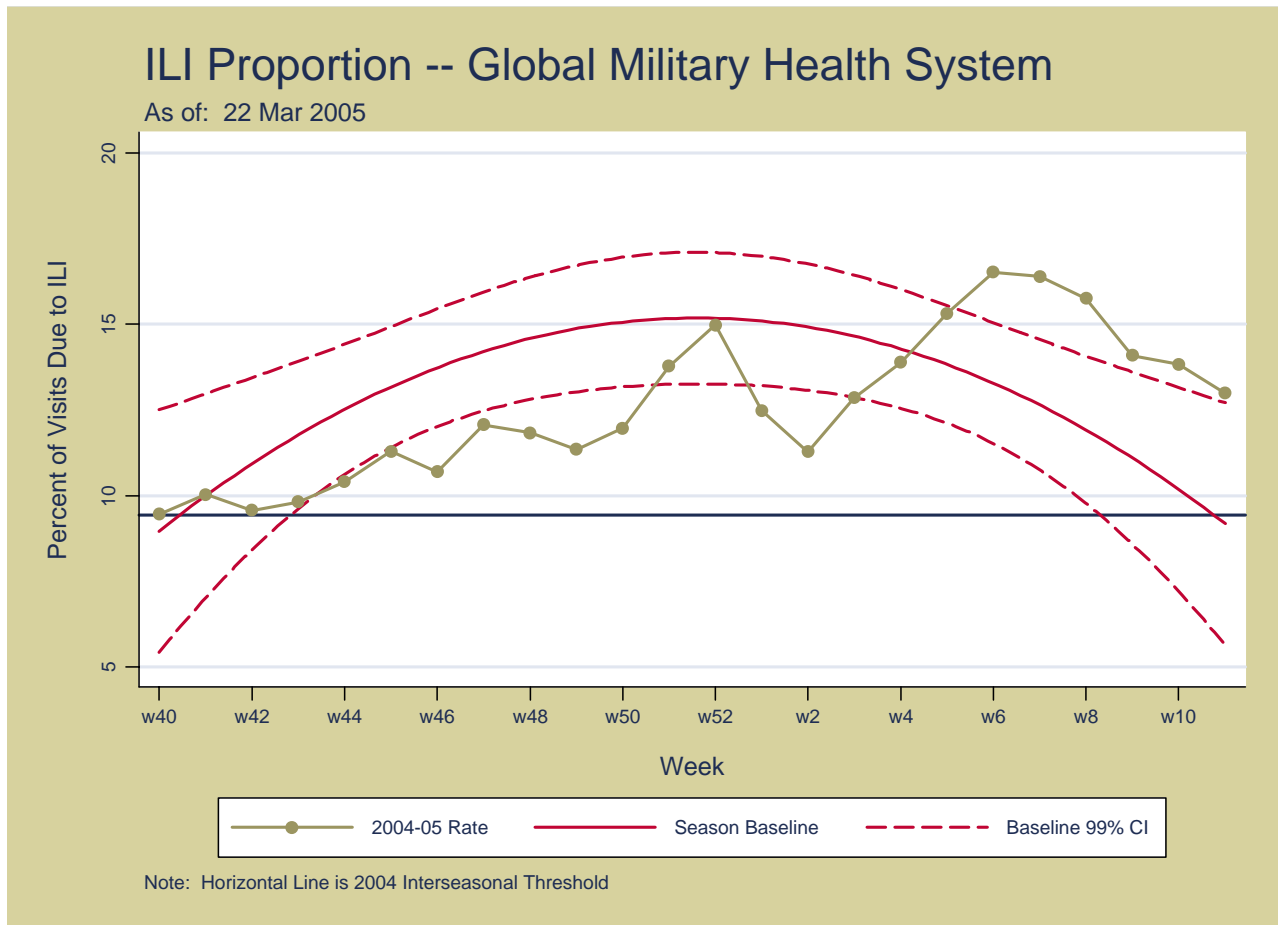
Since **3 October 2004**, we have subtyped 418 isolates using either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI): 348 are Influenza A/H3N2, 10 are Influenza B/Hong Kong, and 60 are Influenza B/Shanghai. The following graph summarizes overall subtyping results. Subtyping results for individual bases can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/>



## INFLUENZA-LIKE ILLNESS:

This graph plots the percentage of weekly outpatient visits at military installations that had an ICD-9 code correlating with Influenza-Like Illness as defined by ESSENCE. Visit and coding data were taken from ESSENCE. A seasonal baseline and 99% confidence intervals are included for comparison. The baseline was calculated from ESSENCE data for the previous 2 years. Note that the ESSENCE definition for Influenza-Like Illness differs from the CDC definition. See our website for a detailed explanation.



Graphs for individual bases and regions can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILChartsform.cfm>

## NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

During week 10 (the latest report available), CDC reported continued decreasing influenza activity; the flu epidemic this year seems to have peaked in February. Laboratory surveillance identified 757 specimens (19.6%) positive for influenza. Of these, 88 were influenza A (H3N2), 440 were influenza A viruses that were not subtyped, and 229 were influenza B. Twelve states reported widespread influenza activity; 24 states reported regional activity; 12 states and New York City reported local activity; and the District of Columbia, New Hampshire, and Puerto Rico reported sporadic activity.

## INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/DataQuery/home.asp>

Week in review: **Weeks 10-11**

*South America:* Argentina, Brazil, and Chile reported sporadic activity.

*Asia:* China reported sporadic activity, and Iran reported a local outbreak.

*Europe:* Greece, Portugal, and Spain reported sporadic activity. Poland reported a local outbreak. Romania and Sweden reported regional outbreaks. Belarus, Belgium, Denmark, Finland, Italy, Latvia, the Russian Federation, Switzerland, and Ukraine reported widespread outbreaks.

*North America:* The United States reported a widespread outbreak.

*Africa:* Tunisia reported a regional outbreak.

**Note:** WHO review has been expanded to the previous 2 weeks in order to capture delayed reports from countries.

### ADDITIONAL INFORMATION:

- **Avian Influenza Update:** The WHO website was last updated on 11 March. However, wire news reports have noted a possible avian flu outbreak in central Viet Nam. Vietnamese officials have sent a team to investigate the cause of flu-like symptoms in at least 100 people. The extent of the problem may be exaggerated by the fact that a five-year-old boy from the region was diagnosed with H5N1 influenza nearly 2 weeks ago. WHO is closely monitoring the situation and has a quarantine plan in place, should avian influenza be found.

For a full report, please see the following sites:

<http://www.canada.com/health/story.html?id=bd7d65cf-7d6e-455e-a767-3348da527639>

[http://www.hindustantimes.com/news/181\\_1292676,00050004.htm](http://www.hindustantimes.com/news/181_1292676,00050004.htm)

While we prefer to report events considered “official” by the WHO, we will also note wire news reports when it appears that the WHO website has not been updated.

- **Influenza-Associated Pediatric Deaths:** During week 10, three pediatric deaths were reported to the CDC. During the current season, the CDC has reported pediatric deaths related to influenza infection from 12 states: California, Colorado, Georgia, Iowa, Maine, Massachusetts, Mississippi, New Jersey, New York, Ohio, Pennsylvania, and Vermont.

Please direct any questions or comments to: [influenza@brooks.af.mil](mailto:influenza@brooks.af.mil)

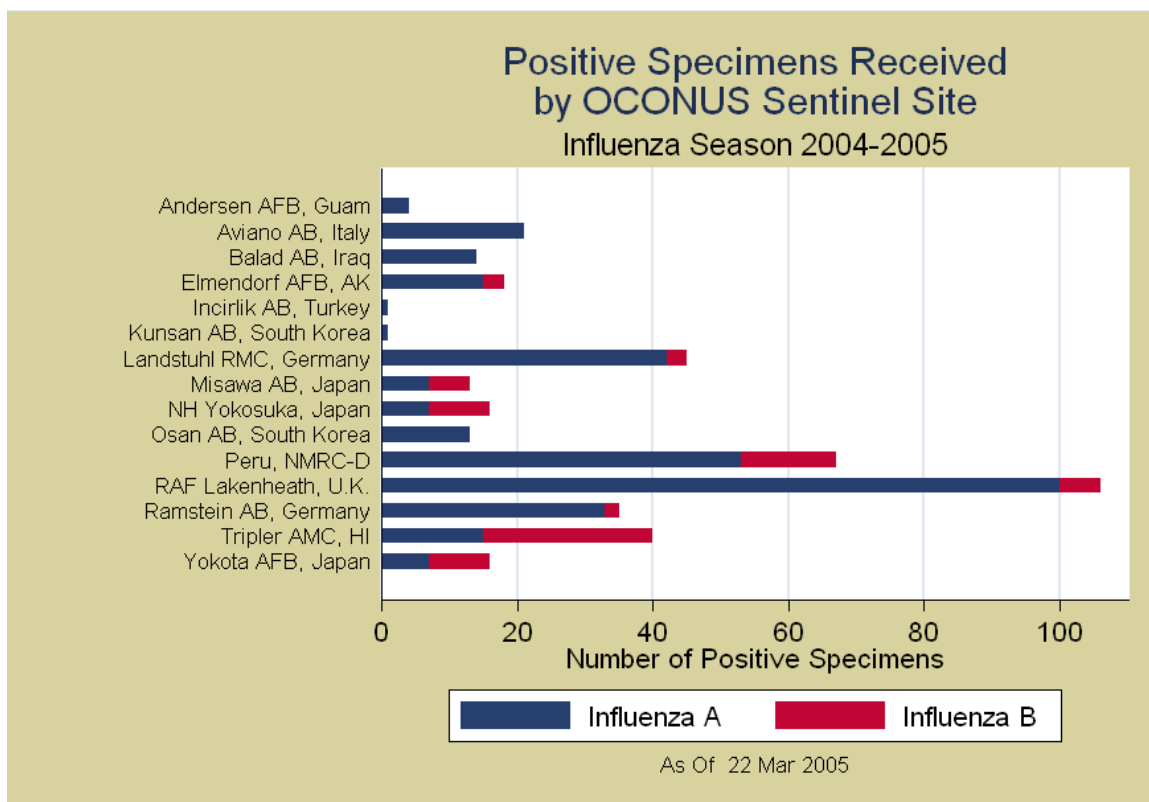
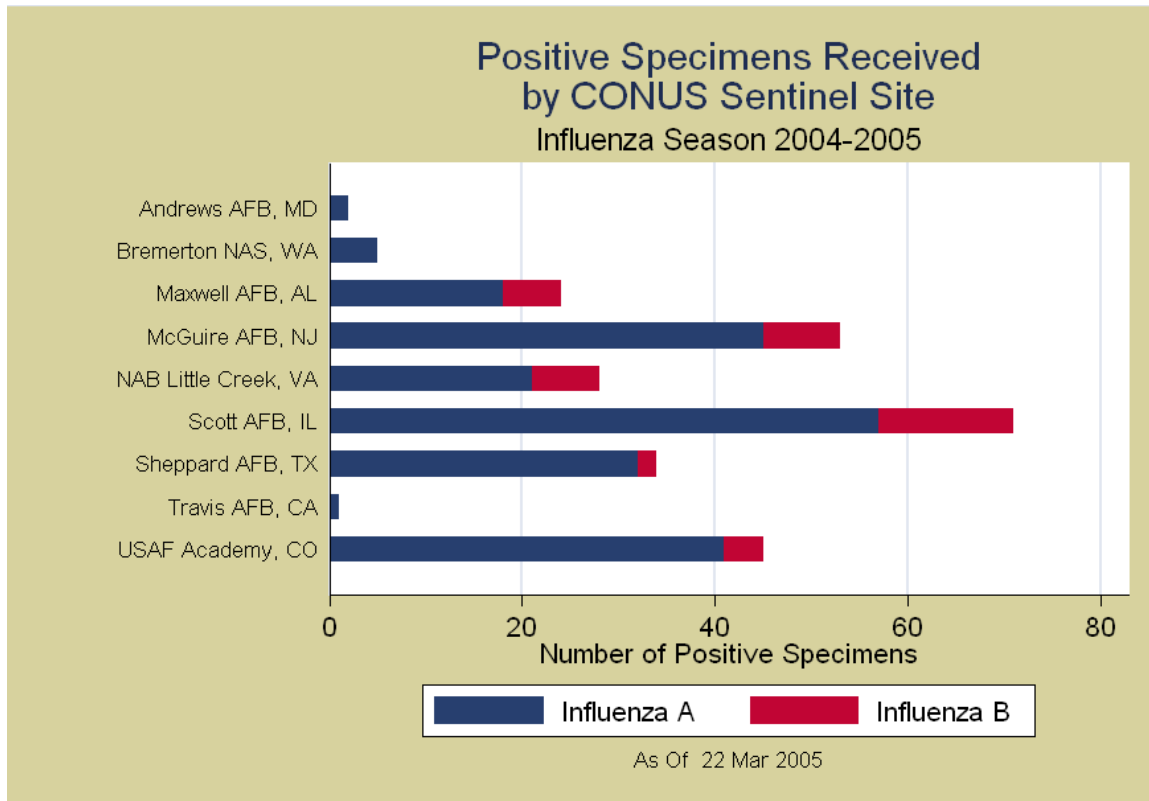
**Tables 1 and 2: Respiratory Specimens Submitted by Sentinel Sites, and by Overseas Laboratories since October 3, 2004 (including Incomplete Processing)**

<b>AETC</b>	<b>Specimens Submitted</b>
Maxwell AFB, AL	<b>64</b>
Sheppard AFB, TX	<b>214</b>
<b>AMC</b>	<b>Specimens Submitted</b>
Andrews AFB, MD	<b>10</b>
Travis AFB, CA	<b>24</b>
McGuire AFB, NJ	<b>109</b>
Scott AFB, IL	<b>368</b>
<b>CENTCOM</b>	<b>Specimens Submitted</b>
Ganci AB, Kyrg	<b>0</b>
Al Udeid AB, Qatar	<b>10</b>
Balad AB, Iraq	<b>25</b>
<b>PACAF</b>	<b>Specimens Submitted</b>
Hickam AFB/NS Pearl Harbor, HI	<b>0</b>
Kadena AB, Japan	<b>1</b>
Kunsan AB, Korea	<b>9</b>
Andersen AFB, Guam	<b>13</b>
Yokota AB, Japan	<b>47</b>
Misawa AB, Japan	<b>48</b>
Osan AB, Korea	<b>30</b>
Elmendorf AFB, AK	<b>46</b>
<b>USAFA</b>	<b>Specimens Submitted</b>
US Air Force Academy, CO	<b>59</b>

<b>USAFE</b>	<b>Specimens Submitted</b>
Incirlik AB, Turkey	<b>18</b>
Aviano AB, Italy	<b>41</b>
Ramstein AB, Germany	<b>73</b>
RAF Lakenheath, UK	<b>261</b>
<b>ARMY</b>	<b>Specimens Submitted</b>
Landstuhl RMC, Germany	<b>47</b>
Tripler AMC, HI	<b>43</b>
<b>COAST GUARD</b>	<b>Specimens Submitted</b>
CGS Ketchikan, AK	<b>0</b>
<b>NAVY</b>	<b>Specimens Submitted</b>
NMC San Diego, CA	<b>5</b>
NH Yokosuka, Japan	<b>29</b>
Bremerton NS, WA	<b>13</b>
NAB Little Creek, VA	<b>68</b>
<b><i>TOTAL for SENTINEL SITES</i></b>	<b><i>1675</i></b>

<b>OVERSEAS LAB</b>	<b>Specimens Submitted</b>
AFRIMS, Thailand	<b>0</b>
AFRIMS, Nepal	<b>0</b>
Nicaragua	<b>0</b>
NMRC-D, Peru	<b>363</b>
<b><i>TOTAL for OVERSEAS LABS</i></b>	<b><i>363</i></b>

## SENTINEL SITE GRAPHS



Numbers and graphs for individual bases can be found on the AFIOH Influenza Surveillance website:  
<https://gumbo.brooks.af.mil/pestilence/Influenza/>

**Table 3. Summary of Recently Processed Specimens from All Sites**

Location	Results of Specimens Processed during current week*				
	Negative	Influenza A	Influenza B	Adenovirus	Other
<b>TOTAL</b>	<b>82</b>	<b>121</b>	<b>35</b>	<b>7</b>	<b>5**</b>
<b>NORTH AMERICA</b>	52	61	6	7	3
<b>PACOM</b>	12	24	26	0	0
<b>EUCOM</b>	15	35	3	0	2
<b>CENTCOM</b>	3	1	0	0	0
<b>SOUTH AMERICA</b>	0	0	0	0	0

Comments: \* Influenza A and B totals include recent subtyping results.

\*\*2 HSV, 3 Parainfluenza

**Table 4: Newly Identified Influenza Specimens this Week, by Base**

Site Name	Influenza A		Influenza B	
	New*	Old**	New*	Old**
Brooks City-Base, TX				1
Keesler AFB, MS	1			
Lackland AFB, TX				1
McGuire AFB, NJ			1	
NAB Little Creek, VA			3	
Robins AFB, GA	1			
Scott AFB, IL		1		
Sheppard AFB, TX		1		
USAF Academy, CO	1			
121 <sup>st</sup> Army Hosp, Korea				1
Misawa AB, Japan	1		1	
NH Yokosuka, Japan		1		
RAF Lakenheath, UK	2			
Ramstein AB, Germany		3		1
Tripler AMC, HI		2		1
Yokota AFB, Japan				1

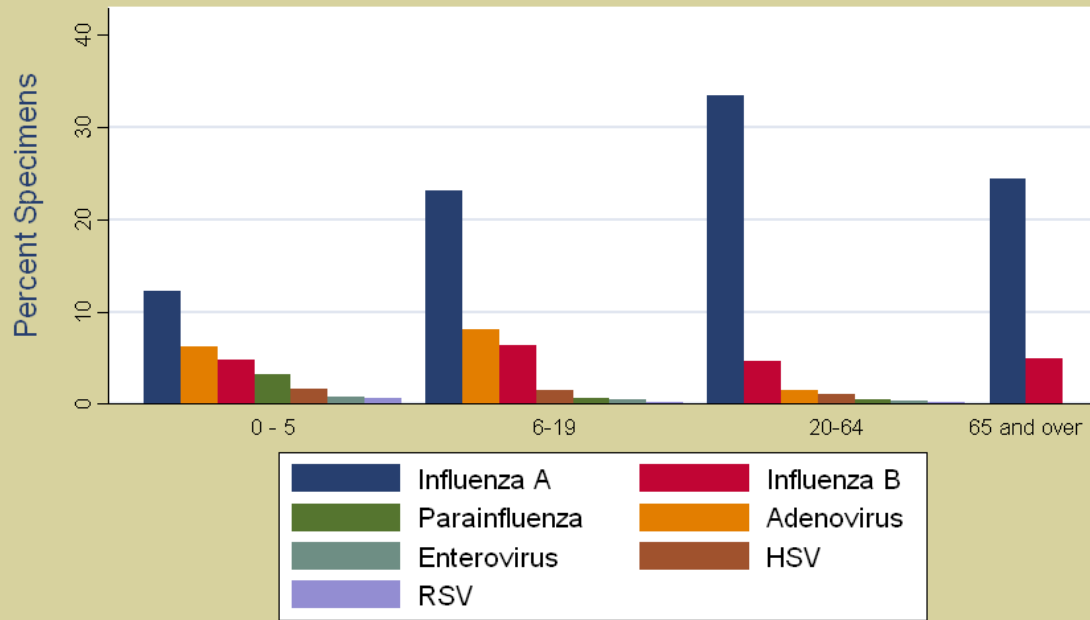
\*New: newly identified and collected during current week

\*\*Old: newly identified, but collected prior to current week



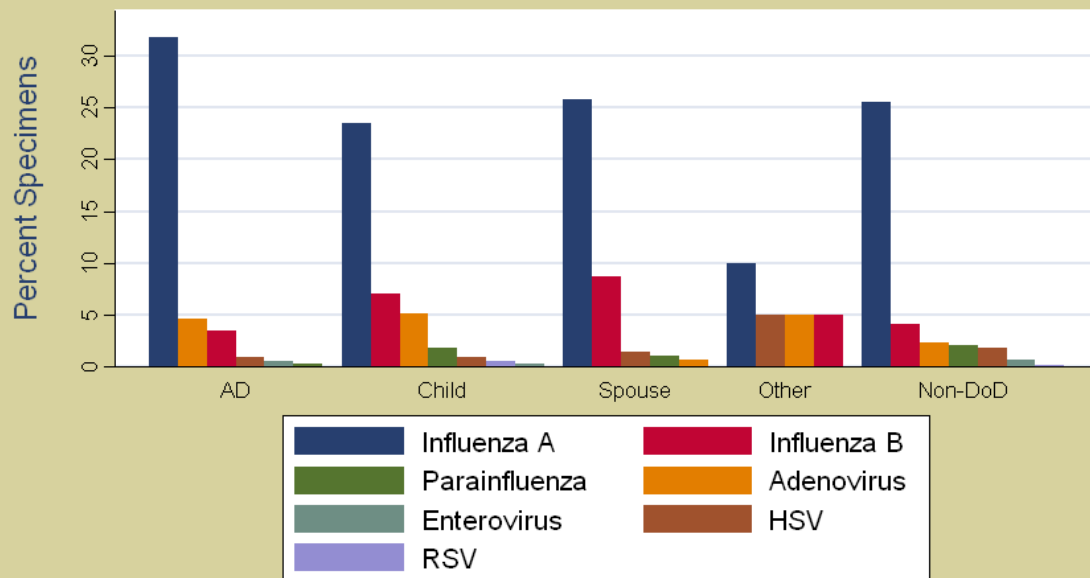
## DEMOGRAPHIC GRAPHS

Percent of Respiratory Virus Submissions by Age Group  
Influenza Season 2004-2005



As of 22 Mar 2005

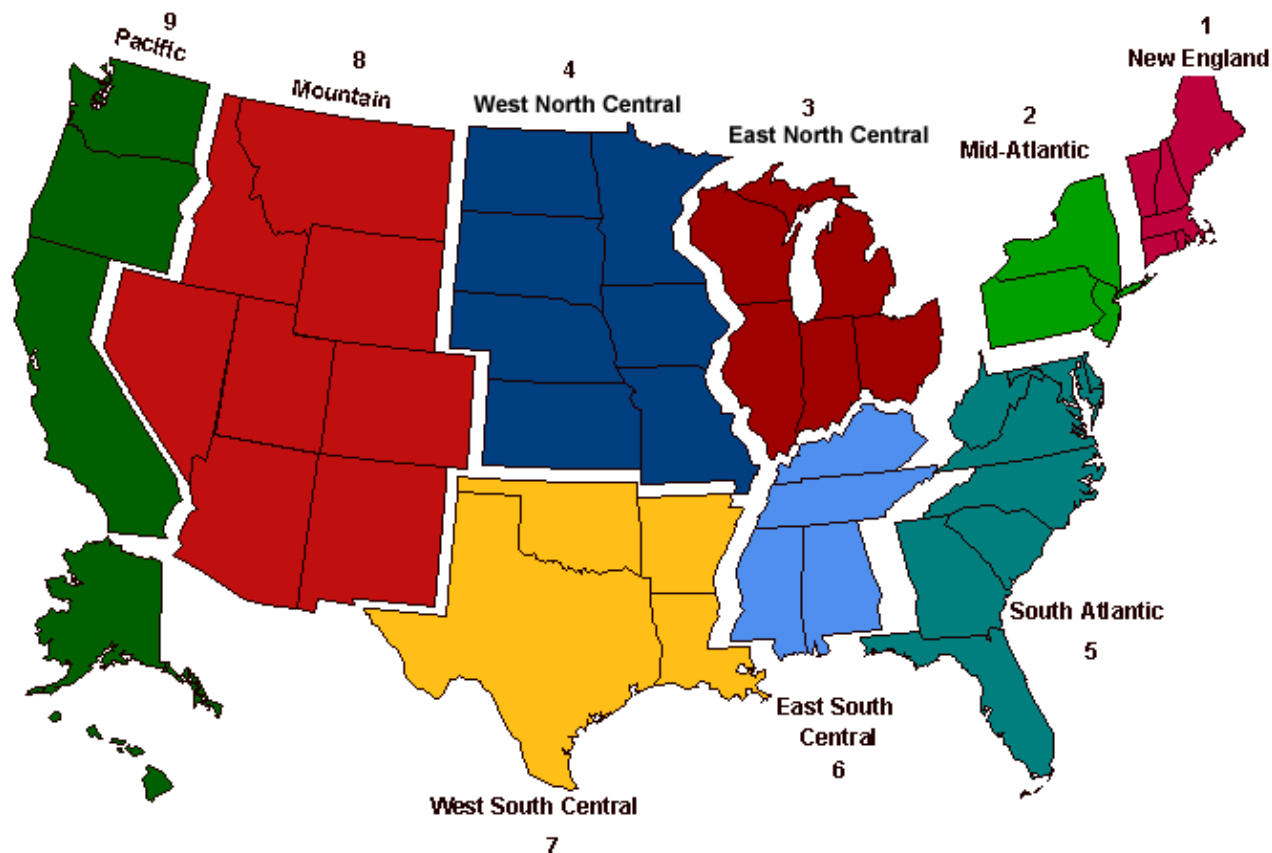
Percent of Respiratory Virus Submissions  
by Family Military Prefix  
Influenza Season 2004-2005



As of 22 Mar 2005

## LINKS TO POSITIVE VIRAL RESULT GRAPHS BY CDC REGION

Click on links below map to access graphs.



[New England](#)

[West North Central](#)

[West South Central](#)

[Mid Atlantic](#)

[South Atlantic](#)

[Mountain](#)

[East North Central](#)

[East South Central](#)

[Pacific](#)

### Overseas Bases:

[Pacific Rim](#) (includes bases in Japan, Korea, Guam)

[Europe](#) (includes bases in UK, Germany, Italy, Turkey)

[South America](#) (includes overseas lab in Peru)

[Deployed Areas](#) (includes sites in Iraq)